

04/01/04

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail**

**Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
(703) 746-4000**

or **Fax**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

23579 7590 01/21/2004

PATREA L. PABST  
HOLLAND & KNIGHT LLP  
SUITE 2000, ONE ATLANTIC CENTER  
1201 WEST PEACHTREE STREET, N.E.  
ATLANTA, GA 30309-3400



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

EL 717,745,529 US  
Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

|                 |                    |
|-----------------|--------------------|
| Chandra Russell | (Depositor's name) |
| Chandra Russell | (Signature)        |
| 3/31/04         | (Date)             |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/590,985      | 06/09/2000  | Harry R. Allcock     | 9792909-0292        | 2041             |

TITLE OF INVENTION: PROTON CONDUCTING POLYMER MEMBRANES

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | YES          | \$665     | \$0             | \$665            | 04/21/2004 |

| EXAMINER        | ART UNIT | CLASS-SUBCLASS |
|-----------------|----------|----------------|
| YUAN, DAH WEI D | 1745     | 429-033000     |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47, Rev. 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Patrea L. Pabst, Esq.  
2. \_\_\_\_\_  
3. \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

The Penn State Research Foundation University Park, Pennsylvania

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☐ Publication Fee
- ☒ Advance Order - # of Copies 10

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-1868 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) [Signature] (Date) 3/31/04

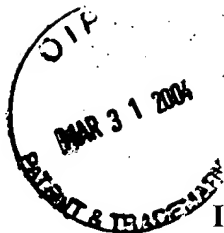
NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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04/02/2004 ZJUHR2 00000133 501868 09590985  
01 FC:2501 665.00 DA  
02 FC:8001 30.00 DA

TRANSMIT THIS FORM WITH FEE(S)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Harry R. Allcock, Michael A. Hofmann, Serguei N. Lvov,  
Xiang Y. Zhou, and Digby McDonald

Serial No.: 09/590,985

Express Mail Label No.: EL 717 745 529 US  
Date of Deposit: March 31, 2004

Filed: June 9, 2000

Art Unit: 1745  
Examiner: Dah Wei D. Yuan

For: *PROTON CONDUCTING POLYMER MEMBRANES*

Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL OF ISSUE FEE**

Sir:

In response to the Notice of Allowance and Fee(s) Due mailed on January 21, 2004,  
transmitted herewith are the (1) Issue Fee Transmittal Form PTOL-85B; (2) Fee Transmittal; and  
(3) authorization to charge Deposit Account No. 50-1868 in the amount of \$695.00 to cover the  
(a) \$665.00 issue fee for a small entity, and (b) \$30.00 fee for ten (10) copies of the patent.

This application is entitled to claim small entity status pursuant to 37 C.F.R. § 1.27.

U.S.S.N.: 09/590,985  
Filed: June 9, 2000  
**TRANSMITTAL OF ISSUE FEE**  
Express Mail Label No.: EL 717 745 529 US  
Date of Deposit: March 31, 2004

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment in connection with this patent application to Deposit Account No. 50-1868.

Respectfully submitted,



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Patrea L. Pabst  
Registration No. 31,284

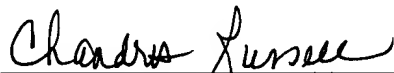
Date: March 31, 2004

HOLLAND & KNIGHT LLP  
Suite 2000, One Atlantic Center  
1201 West Peachtree Street, N.E.  
Atlanta, Georgia 30309-3400  
(404) 817-8473 (Telephone)  
(404) 817-8588 (Fax)

U.S.N.: 09/590,985  
Filed: June 9, 2000  
**TRANSMITTAL OF ISSUE FEE**  
Express Mail Label No.: EL 717 745 529 US  
Date of Deposit: March 31, 2004

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10**

I hereby certify that this Transmittal of Issue Fee and any documents referred to as attached therein are being deposited with the United States Postal Service on this date, March 31, 2004, in an envelope as "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, Express Mail Label No. EL 717 745 529 US, addressed to Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

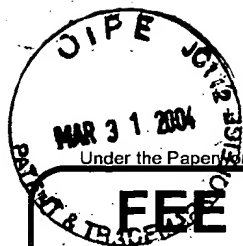


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Chandra Russell

Date: March 31, 2004

# 1820654\_v1



PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 695.00)

**Complete if Known**

|                      |                  |
|----------------------|------------------|
| Application Number   | 09/590,985       |
| Filing Date          | June 9, 2000     |
| First Named Inventor | Harry R. Allcock |
| Examiner Name        | Dah Wei D. Yuan  |
| Art Unit             | 1745             |
| Attorney Docket No.  | PSU 99-2127      |

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

50-1868

Holland &amp; Knight LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid  |
|--------------|----------|--------------|----------|------------------------|-----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |           |
| 1001         | 770      | 2001         | 385      | Utility filing fee     |           |
| 1002         | 340      | 2002         | 170      | Design filing fee      |           |
| 1003         | 530      | 2003         | 265      | Plant filing fee       |           |
| 1004         | 770      | 2004         | 385      | Reissue filing fee     |           |
| 1005         | 160      | 2005         | 80       | Provisional filing fee |           |
| SUBTOTAL (1) |          |              |          |                        | (\$ 0.00) |

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

|                    | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Total Claims       | -20* =       | X              |          |
| Independent Claims | -3** =       | X              |          |
| Multiple Dependent |              |                |          |

| Large Entity |          | Small Entity |          | Fee Description  |
|--------------|----------|--------------|----------|--|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                     |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                          |
| 1203         | 290      | 2203         | 145      | Multiple dependent claim, if not paid                      |
| 1204         | 86       | 2204         | 43       | ** Reissue independent claims over original patent         |
| 1205         | 18       | 2205         | 9        | ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) |          |              |          | (\$ 0.00)  |

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity | Small Entity

| Fee Code                                | Fee (\$) | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|---|----------|----------|----------|--|----------|
| 1051                                    | 130      | 2051     | 65       | Surcharge - late filing fee or oath  |          |
| 1052                                    | 50       | 2052     | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053                                    | 130      | 1053     | 130      | Non-English specification  |          |
| 1812                                    | 2,520    | 1812     | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804                                    | 920*     | 1804     | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805                                    | 1,840*   | 1805     | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251                                    | 110      | 2251     | 55       | Extension for reply within first month                                     |          |
| 1252                                    | 420      | 2252     | 210      | Extension for reply within second month                                    |          |
| 1253                                    | 950      | 2253     | 475      | Extension for reply within third month                                     |          |
| 1254                                    | 1,480    | 2254     | 740      | Extension for reply within fourth month                                    |          |
| 1255                                    | 2,010    | 2255     | 1,005    | Extension for reply within fifth month                                     |          |
| 1401                                    | 330      | 2401     | 165      | Notice of Appeal   |          |
| 1402                                    | 330      | 2402     | 165      | Filing a brief in support of an appeal                                     |          |
| 1403                                    | 290      | 2403     | 145      | Request for oral hearing   |          |
| 1451                                    | 1,510    | 1451     | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452                                    | 110      | 2452     | 55       | Petition to revive - unavoidable   |          |
| 1453                                    | 1,330    | 2453     | 665      | Petition to revive - unintentional   |          |
| 1501                                    | 1,330    | 2501     | 665      | Utility issue fee (or reissue)   | 665.00   |
| 1502                                    | 480      | 2502     | 240      | Design issue fee   |          |
| 1503                                    | 640      | 2503     | 320      | Plant issue fee  |          |
| 1460                                    | 130      | 1460     | 130      | Petitions to the Commissioner  |          |
| 1807                                    | 50       | 1807     | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806                                    | 180      | 1806     | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021                                    | 40       | 8021     | 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809                                    | 770      | 2809     | 385      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810                                    | 770      | 2810     | 385      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801                                    | 770      | 2801     | 385      | Request for Continued Examination (RCE)                                    |          |
| 1802                                    | 900      | 1802     | 900      | Request for expedited examination of a design application                  |          |
| Other fee (specify) Advance copies (10) |          |          |          | 30.00  |          |
| *Reduced by Basic Filing Fee Paid       |          |          |          |  |          |
| SUBTOTAL (3)                            |          |          |          | (\$ 695.00)  |          |

**SUBMITTED BY**

Name (Print/Type)

Patrea L. Pabst

Registration No.  
(Attorney/Agent)

31,284

(Complete (if applicable))

Telephone (404) 817-8473

Signature

Date

March 31, 2004

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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PSU 99-2127 - 058247/00009

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